

# Asa Baldwin Diary, 1940-1941

Transcribed by Paul White, June 21, 2001

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**1940**

## **SEPTEMBER**

### **Sunday 1**

Frank drilling 6003 x-cut  
Otto mucking 6003 x-cut  
Klas sharpening steel.  
Bruno & John tramming ore  
Joe working on storage dam.  
Dan spends 1/2 day repairing truck and 1/2 day hauling wood.  
Geo. and Adrian started milling at noon.  
Compressor ran on electric power until noon—then by gas engine in order to give all power to mill.  
Plane arrived about 7:30. Mort, Nick, Pirikus go to Chitina.  
Go to Sheriff. One exceptionally rich spot in area. pyrite seam in 2nd Raise about 20' above 6001 S. Drift.  
Pete Peutoff came in on plane and will do cooking at main camp.

### **Monday 2**

Frank and Otto take truck of ore car from slide to 1st Tower  
Klas blacksmithing  
Joe working on Cliff House  
Bruno & John tramming ore  
Dan graveling  
Geo. & Adrian repairing mill feed.  
Has to change to 1" nozzle which gives about 20+H.P. not enough to run mill or compressor. Ran compressor on gas.

### **Tuesday 3**

Frank & Otto working in No. 2 Raise  
Klas blacksmithing  
Joe working on Cliff House  
Bruno & John tramming ore.  
Adrian & Dan working over 6,000 (lb?) engine of I-R compressor. 1" nozzle does not produce quite enough power to run compressor.  
Geo. waiting for power for mill

Go to storage dam and find that about 8" of water has been stored in lake since last night. In pm go to Jack Snipe lake and measure discharge which is between 10 and 12 cu. ft. per sec.  
Rained hard last night and part of the day.  
Snow fell on peaks.

### **Wednesday 4**

Frank & Otto working No. 2 Raise. Klas blacksmithing  
Bruno & John tramming ore.  
Dan picking up lumber from Pocket Creek glacier and packing it to tram.  
Joe finishes Cliff House.  
Geo. training Pete in the art of cooking.  
Adrian adds a 1/2" nozzle and this gives the 1" nozzle enough added power to run the compressor.

### **Thursday 5**

Frank & Otto getting ore from surface of No. 3 above No. 2 Raise  
Bruno & John tramming ore  
Joe & Dan go to Yellow Band and fix the tram for the winter. Slide last winter took down the No. 2 tower, carrying away the legs but leaving the cap hanging on cable.  
Adrian and I open gate at storage dam and get enough water for a nozzle bushed[?] down from 1 1/4" to about 1 3/32" giving an estimated 28 H.P.  
Dan & Adrian backed the little Cat up to Power House and hooked onto the auxiliary drive.  
Geo. started mill about 10 o'clock and the combination of water power and little Cat ran the mill OK.  
Helped Geo. with crushing until midnight.  
Bill Fields returned to camp this p.m. Boat was gone at Chitina so that he could not cross.

### **Friday 6**

Frank & Otto working in No. 2 Raise  
Klas blacksmithing.

Bruno & John tramming ore.  
Dan & Fields working on 440-volt line  
Joe cutting oil drums for snow-sheds at  
Sheriff  
Geo. started mill about 7pm  
Adrian running power plant with small Cat  
running on auxiliary  
No storage in lake today. Closed gate

### **Saturday 7**

Frank & Otto broke through to surface in  
No. 2 Raise and began to stope along No.  
3 vein to North.  
Klas blacksmithing.  
Joe, Dan, & Fields pull ore car from slide to  
1st Tower this morning.  
In pm Joe getting timber for snowsheds.  
Dan in pm enlarging turns near mill. Fields  
trucking ore.  
Bruno & John tramming ore.  
Geo. running mill tonight; Adrian at power  
plant.  
Go to Sheriff. Miners holed thru. to surface  
in No. 2 Raise. Some very good ore in  
raise about 6 feet below surface. Klas is  
now taking the wall rock alongside the  
vein, getting ready to knock down the ore  
and will reach the rich 4" to 6" stringer  
which I formerly called the No. 3A vein.  
Actually it is an extension of the No. 3  
and is about vertically above the \$200.00  
ore found in the 6001 N. Drift bet. 0 + 16  
& 0 + 22  
Little Cat using about 3.3 gallons per hour  
when hooked to water wheel.

### **Sunday 8**

Klas & Frank find some high grade where  
the No. 3 vein is capped on the surface  
about vertically over the 6001 x-cut. Otto  
mucking.  
Bruno & John tramming ore. Joe begins  
work on housing our (#)10 h.p. motor.  
Dan & Fields graveling road toward mill.  
Get finished as far as hair-pin turn.  
Geo. milling. Adrian running power plant.  
Go to storage lake and find about 3 1/2"  
over top of outlet pipe. Natural flow about  
.2 c/f/s more than enough to carry 1 3/32"  
nozzle

### **Monday 9**

Klas, Frank, Otto stripping No. 3 vein.  
Bruno & John tramming ore.  
Joe & Fields working on snow-sheds at  
Sheriff.  
Dan dragging road from hair-pin to camp.  
Geo. fixing his cabin.  
Adrian working on 440-volt trans line.  
Geo. melts gold out of 1 oz of picked aver.  
ore and gets \$4.50; from 16 oz gets \$6.00  
& 12 1/8 000 per ton.

### **Tuesday 10**

Otto & Klas mining surface ore above No. 2  
Raise  
Frank takes day off to go prospecting.  
Joe working on snow shed at Sheriff.  
Adrian & Fields working on 440-volt trans  
line.  
Bruno & John tramming ore. Dan dragging  
road.  
Geo. assaying  
Go to storage lake in morning. Find that  
water is backing up in lake. Water 0.'80  
over pipe. Go to Sheriff in pm. Klas  
yesterday mined out rich stringer on No.  
3A. It averaged about 2" wide and  
extended for about 10 ft with average  
depth of 5 feet; or made about 3/4 tons of  
ore. This outcrop is vertically above the  
\$200.00 ore struck in 6001 N. Dr. at Sta 0  
+ 13-20.  
Stay overnight at Sheriff.

### **Wednesday 11**

Frank drilled 1/2 day on No. 3; and 1/2 day  
in 6003 x-cut  
Otto & Klas getting ore thru No. 2 Raise  
Joe working on snow-sheds  
John & Bruno tramming ore. Adrian  
working on 440-volt line.  
Dan & Fields graveling.  
Geo. milling.  
Began to snow last night at Sheriff; rain at  
lower camp. Snowed & rained all day  
bringing up water in power creek.  
Running mill tonight on water power  
using 1 3/8" nozzle.  
Henry Struckman reached camp about noon.

### **Thursday 12**

Frank & Otto stoping and mucking ore from  
No. 2 Raise. Klas blacksmithing.  
Bruno & John tramming ore.  
Dan & Fields graveling road 1/2 day; 1/2  
day trucking ore.  
Joe cutting drums for Sheriff snowsheds  
Adrian working on 440-volt line  
Geo. milling. Help him crush

### Friday 13

Frank, Otto & Klas start [penciled in  
margin: No. 1 RE -6001 N. Drift] No. 3  
Raise. 1st round brought down 2 tons of  
very good ore.  
Bruno & John tramming ore.  
Joe & Fields building snow-sheds at Sheriff  
Dan begins making rock fill around lower  
Sheriff bunkers as a protection vs. snow  
slides  
Adrian working on 440-volt line to Sheriff.  
Geo. milling.  
Go with Fred Struckman to Yellow Band  
where he shows me location of an alleged  
garnet lead carrying gold. Its location is  
under the slide on the north face of Y.B.  
mt. In pm truck ore  
[side margin: Adrian gets electric juice  
running thru new trans-line (440)]

### Saturday 14

Frank & Otto mining in No. 3 Raise. Klas  
blacksmithing  
Bruno & John tramming ore.  
Joe and Fields working on Sheriff snow-  
sheds  
Adrian and Dan picking up insulated wire  
from ground—the 440 volt line formerly  
in use.  
Geo. milling.  
Go to storage dam in a.m. Water in storage  
dam to + 0.38 over top of outlet pipe. In  
pm takes two loads of ore to mill.

### Sunday 15

Frank, Otto, Klas working in No.3 Raise.  
Bruno & John tramming ore.  
Joe & Fields building snow-sheds at upper  
Sheriff.  
Dan making rock fill around lower Sheriff  
bunker  
Adrian helping Geo. at mill tonight.

Hunt ptarmigan this am. Haul ore in pm.  
Struckman left for his home at 8 am.  
Fog, rain & snow today.

### Monday 16

Frank, Otto, Klas working in 6002 N. Drift  
Bruno & John tramming ore.  
Joe & Fields putting up Sheriff show-sheds.  
Dan making rock fill around lower Sheriff  
bunkers  
Geo. assaying & milling—Adrian helping  
Geo.  
Haul ore in pm

### Tuesday 17

Frank, Otto & Klas working in No. 3 Raise  
Bruno & John tramming ore.  
Joe & Fields working on Sheriff snow-sheds  
Dan working 1/2 day on lower Sh. bunker  
fill; hauling wood p.m. Adrian helping  
Dan in pm  
Geo. assaying.  
Go to storage dam;—only + 0.'02 over pipe.  
Mark some of the culverts on Y.B.road.

### Wednesday 18

Frank, Otto, Klas driving No. 3 Raise  
Bruno working on Cliff House.  
Joe, Fields, Adrian pick up coal, piled[?] at  
Yellow Band and close camp there for  
winter. In pm take timbers for snow sheds  
to lower Sh. bunkers and move material  
there to bench in front of John L-  
wigwam.  
Dan stepped on nail yesterday and stayed in  
today to take care of foot.  
Geo. milling tonight.  
First real storm of season came last night  
from East. From 4" to 6" of snow fell at  
Main Camp and about 18" at Sheriff but  
only a couple of inches at air field. Was  
too windy all day to run Sheriff tram.

### Thursday 19

Frank, Klas, Otto working in No. 3 Raise.  
Bruno working on Cliff House in a.m.;  
tramming ore in p.m.  
Joe, Field getting material for Sh. snow-  
sheds; also Adrian in a.m. who trams ore  
in p.m. & runs little Cat hook-up for  
milling at night.

Blowing too hard to run tram in a.m., but it operates in p.m. and I truck two loads to mill.

Geo. running them thru the mill tonight.

Weather partly cleared during middle of day but closed down again. Snowed part of the day. We now have about 6" at main camp, 12" at lower Sh. bunkers and about 2 ft. at mine. Air field is clear of snow.

[side margin: Dan on hos. List but foot better]

[side margin: Lost head on 1 3/8" nozzle this a.m. and Adrian changed to 1 3/32" nozzle tonight.]

### **Friday 20**

Frank, Otto, Klas drilling No. 3 raise.

Bruno, and Dan running tram

Joe & Fields on snow-shed work

Adrian running power plant.

Geo. & I run mill; and Geo. assays.

### **Saturday 21**

Frank, Otto, Klas on No.3 Raise.

Dan & Adrian haul wood in am; work on rock-fill around lower Sh. bunkers in pm

No ore today as shot muck in raise.

Joe & Field working on Sh. snowsheds

No milling tonight.

Plane made two trips today. John L- goes out and mechanic for Lyle comes in to fix damaged plane.

### **Sunday 22**

Frank, Otto, Klas drilling 6003 x-cut toward No. 1 vein

Joe & Bruno working on Sh. snowsheds.

Too windy to run tram

Dan, Adrian & Fields work in a.m. on rock fill around lower Sh. bunkers. In p.m. on repair of Little Cat.

No milling today.

Began raining hard last night and have continued all day.

Snow about gone and all creeks at flood stage.

### **Monday 23**

Frank, Otto, Klas mining in No. 3 Raise.

Bruno & Dan tramming ore in a.m. Too windy to run tram in pm and they work on snow-slide protection of tram.

Joe & Fields working on snow-sheds at upper end Tram

Adrian hauls ore in am. Odd jobs in pm

Not enough ore came down to mill.

Very strong S to E wind all day and warm.

Went to dam and found about 3' of storage there.

### **Tuesday 24**

Frank, Otto, Klas mining in 6003 x-cut.

Joe & Fields working on Sh. snowsheds.

Bruno & Dan tramming ore and running up wood.

Adrian working on repair of 440-volt & pipe line.

Geo. milled 1/2 day.

Stopped raining about 11 a.m. Power Creek discharge about 6 c/f/s. and at storage lake about 6 feet over pipe intake

### **Wednesday 25**

Frank, Klas, Otto working on No. 3 Raise.

Joe, Fields, Adrian repairing idler of Sh. tram

Bruno working on snow-sheds

Dan making rock fill around lower Sh. bunkers.

Geo. assaying

### **Thursday 26**

Frank & Otto drilling in No. 5. Cut the vein under a Chick[?]. It is about 4' ft. wide. Klas blks.

Joe working on snow-shed at Sheriff

Field & Adrian sending up boards etc picked up from slide & packed to No. 2 Tower

Bruno & Dan tramming ore.

Geo. mills 1/2 day

Haul ore & wood from Y.B. to lower Sh. bunkers.

### **Friday 27**

Frank & Otto drilling x-cut from No. 4 vein toward 6000 x-cut for drainage. Klas blacksmithing.

Joe, Adrian, Dan & Fields 1/2 day on rock fill at lower Sh bunkers; 1/2 snowshed at Sheriff.

Geo. assaying

Bruno working on snow-shed

Go to Sheriff in pm

### **Saturday 28**

Frank drilling in ore Cut. sta 0 + 40 to 0 + 50 in 6001 N Dr. Otto mucking x-cut of Sept 27. Klas blacksmithing.

Bruno & Field tramming muck & hauling up wood.

Joe, Adrian & Dan working on fill around Sh. lower bunker.

Geo. making clean up.

Stay at Sheriff.

### **Sunday 29**

Frank drilling 1/2 day on No. 4 x-cut [pencil in margin: 6003 x-cut]. Otto mucking in 6001 N. Dr. Klas blacksmithing.

Joe & Adrian working on Sh snow-sheds.

Bruno & Dan tramming ore & hauling up wood

Geo. retorts amalgam & melts tonight.

Fields in camp with tooth-ache.

Frank drilling 1/2 day in No. 3 Raise.

Get 113.75 oz gold brick from clean-up of amalgamator & plates—not complete clean up.

### **Monday 30**

Frank & Otto & Klas working on No. 4 x-cut.

Bruno & Dan sending wood up tram.

Joe and Fields finish snow-sheds at Sheriff.

Adrian hauling ore.

Geo. milling

Go to storage dam;—3' still in storage.

## **OCTOBER**

### **Tuesday 1**

Frank, Otto, Klas mining !

Bruno

Adrian & Joe getting 3/4" cable in coils to send up to head-end.

Dan repairing 25 & 35 Cats.

Geo. assaying

Joe goes up to Sheriff to help with mining for few days.

### **Wednesday 2**

Frank, Otto, Klas, Joe mining in No. 4 Raise.

Bruno & Fields tramming ore.

Dan & Adrian repairing "25" & "35" Cats.

Geo. making repairs on mill.

Go ptarmigan hunting with Guy. Get 14.

Haul ore in pm.

### **Thursday 3**

Frank & Otto mining in No. 4 Raise. Joe drilling tonight. Klas blacksmithing.

Bruno & Fields tramming ore and with help of Adrian & Dan get two tower legs up to No. 2 Tower and cables[?] to Bill Berry's tower. These are for use next spring in case slide again takes out No. 1 Tower.

Geo. runs mill in pm

I haul ore in pm

### **Friday 4**

Frank, Otto, Joe and Klas mining in No.s 3 & 4 stopes of 6001 N Drift.

Bruno & Fields tramming ore & taking up wood.

Dan working for Lyle Airways.

Adrian & I hauling wood from slide N. of mill. Haul ore in eve.

Geo. milling tonight.

### **Saturday 5**

Frank, Otto, Joe drilling in north face of 6001 N drift. Very good ore. Klas blacksmithing

Bruno & Fields tramming ore and hauling up supplies.

Adrian helping on tram work.

Geo. mills tonight. Gets all ore in mill bunker through.

Go to Sheriff in pm and stay overnight

Dan working with bull-doz on Cat road to McCarthy

[side margin] Plane makes one trip.

### **Sunday 6**

Frank & Otto working in No. 3 Raise which is up 25 ft. (No. 4 raise up 9 ft.) Klas blacksmithing.

Fields, Adrian & Bruno running tram.  
Joe & Dan put Worthington compressor in trailer and pull it with little Cat to rock outcrop just over pass on Bremner & McCarthy road. Drill it with jack-hammer  
Geo. assaying.

#### **Monday 7**

Frank & Otto working in No. 3 Raise  
Klas blacksmithing.  
Bruno, Fields & Adrian tramming ore and sending up wood and supplies.  
Dan on ARC [Alaska Road Commission] work—grading about 1 mile East of Pass.  
Joe repairing freighting sleds.  
Geo. milling tonight.  
Plane made two trips. Guy went out on last plane.  
Some very good ore came down from No. 3 Raise

#### **Tuesday 8**

Frank & Otto mining in 6001 N. Drift.  
Klas blacksmithing.  
Bruno, Fields & Adrian sending supplies up tram  
Joe repairing sleds.  
Dan on ARC road work.  
Geo. assaying.

#### **Wednesday 9**

Frank & Otto mining in No. 3 Raise  
Klas blacksmithing.  
Bruno, Fields, Dan & Adrian get 1000' of tram cable pulled up to upper end Sheriff tram in am.  
Joe works afternoon on sleds; other three men getting additional supplies up to Sheriff  
Geo. and I mark road with poles so that it can be followed after snow comes.

#### **Thursday 10**

Frank & Otto mining in 6001 N. Drift. Klas blacksmithing.  
Bruno, Fields & Adrian tramming ore & hauling up wood & supplies.  
Dan & Joe working on Cat Road toward McCarthy  
Geo. milling.  
Go to Sheriff in pm. Stay overnight.

#### **Friday 11**

Frank, Otto & Klas mining in 6003 x-cut, driving toward No. 1. vein.  
Bruno, Fields & Adrian running tram in order to get up supplies.  
Joe & Dan working on Cat Road—A.R.C.  
Water flow dropped last night. Ran the compressor until noon then Adrian put on 3/4" nozzle which gives only 5 to 6 KW.

#### **Saturday 12**

Frank, Otto, Klas mining in 6003 x-cut  
Bruno, Fields & Adrian running up gas, powder etc over tram.  
Dan & Joe doing compressor work of Cat road. Gasket of compressor blew out and boys brought compressor back to camp.  
Geo. & I assayed & put posts under stringers in blk's shop at mill  
Face of 6001 N. Drift about 4 oz.

#### **Sunday 13**

Miners shoot last round of season in 6003 x-cut and all hands come down from Sheriff to main camp.  
Adrian & Fields taking down bunkers at lower Sheriff tram terminal.  
Joe & Dan working on Cat Road. Stake out road from Monahan Creek to camp of '39. Bring back 3 drums of gas. Besides this there are 2 more ARC drums at main camp and one drum of lubricating oil was left at crossing on Monahan Creek. They also brought back 6 boxes of powder.  
Geo. and I clean up amalgamator & plates.  
Get 8 1/2 oz of amalgam.

#### **Monday 14**

Joe, Klas, Otto & Frank start work on storage dam.  
Bruno, Dan & Fields tie up running cable at lower end of Sheriff and take planks off bunkers.  
Geo., Adrian, & I cleaning up mill.

#### **Tuesday 15**

Bruno & Fields finish work of taking down bunkers.  
Joe, Klas, Otto, Frank working on foundation for storage dam.

Joe walked out on ice and sounded lake. It is 81 feet in center  
Dan repairing Cats in am. Helps Geo., Adrian, & me at mill in pm. Take out liners of mill.

**Wednesday 16**

Bruno, Dan, Fields, Ernie, and Pete off the payroll and are waiting for a plane.  
Joe, Klas, Frank & Otto digging trench to bedrock at storage dam.  
Geo. & Adrian continue removing lining of mill.  
Plane did not come in.

**Thursday 17**

Lyle & Scavenius arrive. Latter takes Bruno, Morris and Fields to Chitina and Gercken & Penoff to McCarthy. Lyle stays overnight.  
Joe, Klas, Frank & Otto continue work at dam.  
Geo., Adrian, & I taking liners out of mill.

**Friday 18**

Scavenius come back from McCarthy about noon but it is too windy for him to take off with Klas & Otto.  
Joe and Otto work on foundation for dam.  
Go rep them in am  
The digging has exposed bedrock for the entire distance of the dam site—except for 18' on N. side of cut  
Klas & Frank helping Geo. clean-up mill.  
Adrian closes down power plant and does other work in preparation for winter shut-down.  
Geo. and I go to mill after supper and retort amalgam & melt & assay. Finish about 1 am.  
Strong N. wind

**Saturday 19**

Snow and wind prevent flying today  
Geo., Joe & Frank finish work at mill.  
Now all set to go out.

**Sunday 20**

Waiting for flying weather

**Monday 21**

Blowing and snowing. No flying.

**Tuesday 22**

Scavenius takes crew to McCarthy and Chitina.  
Geo., Adrian and I leave for Chitina in late pm.  
Joe & Frank stay and will finish work at storage dam and also seal up cache with oil drums.  
Geo. & I stay over night in Chitina  
Lyle brings damaged plane from Bremner field to Chitina

**Wednesday 23**

Lyle takes Geo. & me in his car over trail to Valdez. Get stuck on summit in snow.  
Walk six miles & picked up by Milly Cameron on Valdez side of summit.  
Reach Valdez about 8 pm.

**Thursday 24**

Leave two bricks at Valdez bank. Waiting for boat  
Pay Geo. White up to and including today

**Friday 25**

Leave on Aleutian for Seattle. Reach Seattle morning of Oct 31st

**1941**

**MARCH**

**Saturday 22**

Leave Seattle on S.S. Columbia for Valdez.  
While in Juneau see Bill Hesse who promised to allot \$500.00 for widening our aviation field.  
In Cordova see Bill Bruno. He & Adrian are flying to Chitina where Lyle will pick them up.  
Reach Valdez on 27th. Hire Bob Smith as cook and arrange with Lloyd Johnson to come in for a short time to handle bulldozers.

**Saturday 29**

Lyle Airways leave Valdez with Smith and Johnson. Plane lands at upper camp. Scavenius returns to Chitina for Adrian and Bruno but weather prevents take-off

## APRIL

### Thursday 3

Weather has been bad until today. Jack leaves Chitina with Adrian and Bruno; stops at McCarthy to pick up Joe Sommers and Italian John. Lands them at camp OK.

Clutch plates on "35" Cat worn thin and have to be replaced. Send load from Valdez with clutch plates on 4th

### Saturday 5

Leave with Jack for Yellow Band. Land at Kenney Lake and meet Claude Stewart. Talk over matters with him (he and Bertha are going to loan Co. \$1500.00). Then go on to McCarthy. Stop there while Jack makes a trip to camp with hardware of drum and gas. Jack O'Neill makes price of \$30.00 per ton for freight landed at field and \$25 per ton of gas. Phone Charlie K and Jack Price. Leave McCarthy about 4pm and reach camp OK. The men are putting snow shoes on little Cat and Johnson is working the clutch. There is considerable snow in valley—from 4 to 6 feet—but many bare spots on hills. No snow cornices[?] this year. Temperature at noon 42° above.

### Sunday 6

Men working on repair Cats

Go up to lower Sheriff bunker. Everything at the lower end is OK this year. The power lines are up as far as I could see and the 1st and 2nd tram towers are standing. Stationary and running cables at this end all intact

The depth of snow will average in Pocket Creek basin about 6 feet. There have been no big slides. Looking into Power Creek could see the penstock and part of the upper flume. The knoll near the storage dam is showing black spots. Toward

Yellow Band camp there is more snow than last year.

### Monday 7

Johnson still working on Big Cat. Cannot pull out shaft. Talked with Henry Moore tonight to make sure I'm using right method. The trouble appears to be that front bearing is frozen to shaft. Will heat the bearing tomorrow and will then probably come.

Joe, Adrian & Bruno finish putting snow shoes on small Cat and tried breaking trail but snow was too soft and tracks iced up. They will start early in the morning. St. John shovels out sleds.

### Tuesday 8

Joe, Adrian & Bruno start to work at 5am.

Get little Cat onto the plane tracks and it trench right along. Get trail broken to summit and about 3 miles beyond.

Johnson finally gets the shaft out and replaces the clutch plates. St. John helping him.

### Wednesday 9

Joe, Bruno & Adrian working on trail this side of Monahan Creek. Lloyd Johnson and St. John working on repair of 35 Cat.

### Thursday 10

Joe, Adrian, Bill and John breaking trail with little Cat toward Monahan Creek. Get to first ridge above the creek. The cook and I help Johnson put the power winch on the 35 Cat. Intended to take it over the summit but the motor was not working right and Johnson has to do some work on it.

Joe and Adrian also get trail broken around garage and get three sleds pulled out of snow.

### Friday 11

Johnson drives little Cat breaking trail toward Monahan.

Joe, Bruno and John helping little Cat. Adrian works all day on engine of 35 Cat. Believes he has it running now.

**Saturday 12**

Adrian, Bruno & John breaking trail with little Cat toward Monahan. Get to ridge above the creek.

Lloyd, Joe & I working Big Cat. Breaks through the crust on the start and it takes all morning to dig it out. Finally get it as far as b/house where it flounders again. Then take off the blade and get the Cat out. Spend afternoon getting to summit where it bogs down again. As soon as getting soft leave it there.

**Sunday 13**

North wind of gale velocity nearly all day. Boys started out at 5am but could not face it. Crew stayed in camp. About 5pm wind died down and changed to moderate south wind. Calm tonight but snowing.

**Monday 14**

Adrian, Bruno and John get trail broken to last switchback into Monahan Cr and Little Cat that far. Lloyd, Joe and I get Big Cat dug out and take it to a point near the Monahan ridge and back again within a mile of the summit.

**Tuesday 15**

Boys bring both Cats to camp this morning. In pm load blade on sled and dig out two remaining sleds from snow.

**Wednesday 16**

Worked all day getting blade down to last switchback into Monahan Creek. Put blade of Big Cat ready to go tomorrow. Blew hard all day from South.

**Thursday 17**

Lloyd gets blade working on last switchback into Monahan Creek. The men shovel snow out snow to road to give the Cat a footing after which it plowed the snow from the road.

Joe and others uncover poles at Creek for bridge. Go up to storage dam on Power Creek. There are about 2 feet of snow over top of dam which means that there are twenty feet over the bedrock cut. Believe it is possible to tunnel through

snow for 20 feet or so to reach the point where we want to pick to bedrock in front of the dam. Also picked out anchor for hauling logs up to penstock.

**Friday 18**

Lloyd & Adrian pushing snow off last switchback into Monahan Cr—8 to 10 feet of snow.

Bruno & John helping Joe getting cable and other equipment ready

Lloyd has touch of snow blindness tonight

**Saturday 19**

Lloyd shovels snow from grade to S turn or about 600' from base of summit.

Adrian helping him

Joe, Bruno, John and I shoveling side hill below Monahan crossing. Will be good going on this section as crust is hard.

In pm, Joe & I shovel ahead of the Cat for about 200' Will not use the blade beyond this S curve.

**Sunday 20**

Joe, Bruno, John & I finish shoveling grade into Monahan Creek in am.

Lloyd tries to travel trail with blade attached but could not. Took off blade and we all shovel drifted snow out of side hill cuts and get both sleds back to camp.

**Monday 21**

Joe, Bruno, Adrian, Lloyd and John leave at 5:30 am with both Cats and five sleds.

Expect to get the small Cat thru to Nick's camp today.

Smith and I go to Yellow Band to get half sack of flour from Jack O'Hara's cache.

Wolverine had been in cook tent but had done no damage.

The aviation field has two or three feet of snow on it.

**Tuesday 22**

The 5 man crew is working on hauling wood from Nick's camp.

I shovel out anchorage of running cable of Lower Sheriff tram. Climbed up high enough to see Cliff House Camp. The upper terminal is clearly visible. Could

see the roof and half of the structure. The Cliff House itself however is practically covered with snow. Could see what appeared to be the lower edge of roof as a straight dark line. The 440 volt line is standing for two spans at least. Appears to be much more snow than last year. Stationary cable OK.

### **Wednesday 23**

Take a load of bread and biscuits to the men at Nick's Camp. Left at 8:30 am. Arrive at Nicks 1:00 pm, stopping several times along way, - it's about 31/2 hrs walk between camps. The day the men left (21st) it took them 23 hrs. to get the Cats thru to Nicks which they did without stopping. The snow on Monahan is still 4 feet deep

When I passed the Nunatak at the foot of the summit this morning found about 6 cords of wood there. Stayed at lower camp until 8:30 pm and came back with Cats to a point within an hour's walk of Main Camp. The Big Cat was hauling about 6 cords and the Little Cat about 2 cords. Altho it was not freezing much, they passed the Nunatak or foot of summit in about 9 [or 3] hours with three sleds. Here two of them were unloaded and the third was hauled to the 3 mile (cir) point from Main Camp. As no loads had previously been taken over this section of trail, it was slow going, the Big Cat breaking through after. Several places had to be widened on the switch back. Was 3 am when Cats left sled and turned back.

Now have the entire trail broken from Main Camp to wood cache and the freighting should move along fast. Reached camp at 4 am.

### **Thursday 24**

Plane has not come in yet with gas and we will be out day after tomorrow. The freighters will come, as last night, with three sleds—unloading two at the nunatak and caching one at the 3 mile point. Tomorrow night they will try to get three sleds from Nick's clear through to Main

Camp. Then if gas hasn't come, we will have to undertake other work.

### **Friday 25**

Crew freighting wood to foot of summit.

They get 10 cords to nunatak. The cook and I broke trail with snowshoes to S turn on Sheriff road.

No plane today.

### **Saturday 26**

Strong wind all night and most of the day from South—warm. Men got to Main Camp about noon with Little Cat. They left Nick's at 11 pm last night in rain. Trail bad and Big Cat kept breaking through trail. they got two sleds of wood to Nunatak and one over to top of first ridge above Monahan. Then had to leave the one sled and Big Cat.

### **Sunday 27**

Thermometer dropped to 20/0° last night and men left camp with Cats about 3 am. Return at 9 am with two sleds of wood—about 5 cords. Although Big Cat broke down trail all the way, it did not get mired. Trail should be good now.

Began breaking trail to Sheriff.

### **Monday 28**

Men and two Cats left about 11pm and got back with three loads of wood about 8 am. Trail very good.

Only have 50 gal. of gas left and plane is not coming for two to three days. Therefore will have to suspend wood freighting and start other work.

### **Tuesday 29**

As there was not enough gas for wood freighting, put the crew to work at breaking trail to the Sheriff lower bunker with Little Cat. Followed my snowshoe trail from the garage to the S turn on the Sheriff road, Cat breaking through only once or twice. From the turn we shoveled out a grade and reached pocket Creek cut shortly after noon. Finished shoveling out a grade through the Cut and got Cat about

halfway through when tracks began to clog up. Returned to camp.

**Wednesday 30**

Joe, Bruno, Adrian & John finish breaking trail to Sheriff lower bunker, shovel out planks for bunker, and get them hauled to lower terminal.

Smith and I climb to upper Sheriff. Find the upper terminal and all structures intact. The ore bunker is exposed to the loading platform. Went into the tunnel and to the face; snow is drifted into the tunnel only a short distance.

The Cliff House and blacksmith shop were drifted over with snow. Took about half hour to shovel to door. Wolverine had crawled through the air vent and gotten into the kitchen, swiping a slab of bacon and nearly tipping over a barrel of flour. Aside from tipping over a number of things, he did no other damage.

The tram line and transmission line are OK. Running cable in snow in a few places but only one strand of 2400-volt line covered by snow. The 440-volt line is also standing, short stretches of the wire covered by snow. It should take only a few days to open up the camp and get it in operation.

Paid Lloyd Johnson in full for his time freighting. He is now waiting for plane.

**MAY**

**Thursday 1**

Men working at replanking the Sheriff lower bunkers.

Expected plane surely today but none came. Out of gas, meat, spuds, etc.

**Friday 2**

Joe and Bill replanking Sheriff lower bunkers

Adrian & John shoveling snow from running cable between No.s 1 & 2 Towers—from 10 to 15 feet in snow.

Cook gets some rooster ptarmigan on Monahan Cr.

I shovel through 8 feet of snow just above the Golconda Creek bridge and get WATER.

No plane and no radio

**Saturday 3**

Joe & Bill replanking the lower Sheriff and put on tin lining.

Adrian & John shoveling snow from running cable between Towers 1 & 2 Got through to Chitina on radio last night and several times today. Plane was ready to take off from Valdez at 10 am but a cloud settled down here, cutting out visibility.

**Sunday 4**

Cold and clear last night.

Men took the Little Cat down and brought up the bulldozer blade

Gave Lyle the weather at 7:30 am and he said the plane was leaving right away. Has not come yet (4pm) although weather has been perfect.

**Monday 5**

Joe hurt back while working on Sh. lower bunker day before yesterday—log feel [sic] on him. Did not work today.

Bruno, Adrian & Joe[sic probably John] set dead man and shieve on big rock above flume and got 1/4" running cable around it—preparatory to hauling up logs for storage dam.

In pm, they shoveled snow off the saw mill. No plane today

**Tuesday 6**

Joe still on hospital list.

Bruno, Adrian and John take Little Cat and tram carrier, pan and sheet iron to lower Sh. bunker. Get the bucket set up.

About 10:30 am, Roy Deringer in his small plane landed with about 300 lb. of grub. Lloyd Johnson went back to Valdez with him. Roy says that Lyle broke his landing gear and it may take a week to get it fixed and passed by inspection.

Received first mail since leaving Seattle.

**Wednesday 7**

Adrian & Bruno go to Sheriff Cliff House to go over IR compressor and motor.  
John & I shoveling snow off running cables between 1st & 2nd Towers. Snow is from 10-12 feet deep and hard.  
Joe still on hospital list.

#### **Thursday 8**

Joe on hospital list  
John shoveling snow over cable between Towers #1 & #2.  
Bruno and Adrian at at Sheriff—Bill shoveling snow off wood-pile and doing cooking; Adrian overhauling I-R compressor motor.  
I go to Sheriff today and start shoveling snow at portal of 6001 x-cut & get bks [blacksmith's] shop opened up.

#### **Friday 9**

John still shoveling snow from running cable  
Joe start work putting tin on lower Sheriff Bunker.  
Bruno shovelling snow off Sh. wood-pile.  
Adrian working on I-R motor  
I finish shoveling snow at noon at 6001 x-cut.  
Begin clearing spur track to dump.

#### **Saturday 10**

John working between Tower #1 & #2  
Joe lining the lower bunker.  
Bruno gets wood-pile exposed and trail to snow sheds clear  
Adrian gets work on motor completed and puts on belt  
I finish clearing spur track  
Start the compressor and Bruno sets stoper at face of 6001-w x-cut. Drills a [sic] inclined hole a few feet.

#### **Sunday 11**

John working between Towers #1 & #2  
Joe working on lower Sheriff bunker.  
Bruno, Adrian & I clear upper Sheriff bunkers of snow in morning and Bruno drills about 5 feet at same place as yesterday. Last 6" drill power through a rich seam—the drillings panned free gold

& galena. This may be the foot wall of the No.1 vein.

In pm Bruno, Adrian & I start back to main camp. On way free the running cable at last two towers out at the saddle above Joe's old camp. Also do snow shoveling where John is working.  
Bring Little Cat back to the camp with me  
No plane yet.

#### **Monday 12**

Bruno, John & Adrian finish digging running cable out of snow between Towers #1 and #2. This clears the full length of running cable and tram ready to run.  
Joe working on tinning of lower bunkers. Finishes.  
Cook and I climb to storage lake. The top of posts of dam are just beginning to show. Took some levels for snow tunnel to bedrock below dam  
No dam  
[in side margin] Ready to mine at Sheriff.  
Tram ready to go. No miners a/c plane

#### **Tuesday 13**

Joe, Bruno, John and Adrian begin shoveling snow at storage dam to get down to bedrock.  
I start shoveling snow along ditch line. Get flume below dam cleared out.

#### **Wednesday 14**

Joe, Bruno, John & Adrian shoveling snow at storage dam. They get down to the gate.  
I shovel snow along flume line.

#### **Thursday 15**

Joe, Bruno, John & Adrian still shoveling snow at storage dam.  
I shovel snow along flume

#### **Friday 16**

Joe, Bruno, John and Adrian shoveling snow at storage dam.  
I shoveling snow along ditch line. Get some water in first line of flume.

#### **Saturday 17**

Men shoveling at storage dam

I along ditch line.

**Sunday 18**

John laid off today. Said he could not throw 15 feet without something to eat.

Joe, Bruno, Adrian and I continue work at Storage Dam. Now have all but about 10 feet of bedrock cut exposed.

No plane yet.

**Monday 19**

Men finished shoveling snow at the dam site today. Got down to the trench dug last fall. Luckily there is no water as yet.

Talked with Claude tonight. He said he would have the pilot from Copper Center drop us some grub tomorrow. Lyle wired that he would return from Fairbanks tomorrow.

**Tuesday 20**

As the grub is low and the men are tired gave them the day off today.

Claude advised this morning that there was no meat or bacon in Chitina—so plane did not come today.

**Wednesday 21**

Men worked half day at Storage Dam a/c nothing they could take for lunch.

No plane today. The cook and I go down to Monahan Cr. after dinner and get 8 ptarmigan.

**Thursday 22**

Men again work half day at dam site. Cook in bed with bad tooth and earache. About 1:30 pm the plane from Copper Center came and "bombed" 13 packages including 2 drums of gas. Everything recovered and in good shape except 1 drum of gas which split in two places letting out about 1/2 the gas.

**Friday 23**

Put blade on Big Cat and took it down to Aviation Field—all hands helping. In pm Adrian begins dozing snow off field. Got about 300' cleared in 4 hours.

Joe, Bruno and John sorting out logs for Storage Dam in pm.

[side margin: snow about 1' deep on field.]

**Saturday 24**

Joe, Bruno and John working on anchor for cable to pull dam timbers and lumber.

Adrian helps in morning; in pm A-[Adrian] dozing snow from aviation field. Now has the lower 500 feet cleared.

**Sunday 25**

All hands on job this a.m. of pulling material for dam to summit of ridge. Used a 1/4" cable around a shieve on summit and pulled load with Little Cat. Snow soft and only get up one light load.

In pm Adrian & I clearing aviation field of snow. Now have about 700 feet cleared.

**Monday 26**

Haul up two loads of timber for dam

Adrian gets field cleared of snow

**Tuesday 27**

Get one load of timber up hill and another half-way up when snow became too soft and heavy.

Learned from Claude that Klas, Ernie and Otto were coming to Chitina today over the trail.

Went down to field this eve. Upper 500' has from 1" to 2" of snow on it; rest is practically clear of snow but water running over it and is rather muddy.

**Wednesday 28**

Men hauling timber up hill for storage dam

Worked on field in pm. It is now clear of snow and drying up fast.

**Thursday 29**

Men working on storage dam hauling. Get 1/4" cable thru shieve near dam preparatory to pulling with BB hoist and small engine.

I shoveling snow along flume. Go down to aviation field after supper and turn some of the water. Field now in fair shape except about 50 feet near south end.

Many snow slides tonight—one near mill.

**Friday 30**

Men take one sled load up hill with Cat,  
then get BB hoist going and begin to pull  
logs toward dam.

Cook gave notice he was quitting when  
plane comes.

Go down to field this morning and evening  
and do some ditching. Field now  
practically dry.

### **Saturday 31**

Bruno cooking

Joe, Adrian & John hauling logs with hoist  
toward Dam. Get most of them landed at  
end of cable.

Go down to aviation field and wait until  
10:00 for plane. Field OK

Heard Stewart call on radio at 8:30 pm but  
our battery run down.

No plane.

## **JUNE**

### **Sunday 1**

Men working at hauling material to storage  
dam.

Lyle finally came with plane at 10:15 am.  
Made three trips from Chitina bringing  
gas, grub and 4 men—Klas, Otto, Nelson,  
Ernie and Mrs Smith. Smith changed his  
mind and is going to stay after all.

### **Monday 2**

Joe & John working on dam and also Bruno,  
Adrian & Klas for 1/2 day. In pm Bruno  
& Klas shoveling snow from flume and  
Adrian & I take Big Cat to field for the  
grub.

Otto, Ernie and Nelson feeling too tough to  
work

[side margin: Water enough for lights  
tonight]

### **Tuesday 3**

Joe, Klas, Bruno, Maurice Nelson, and  
Adrian packing logs to storage dam.

Planned to put down foundation logs but  
water was flowing from lake too heavily.  
Must now defer this work.

On way down crew stopped and finished  
clearing the flume and ditch line of snow.

Got water through pipe line.

Otto and Ernie did not work

[side margin] About 25 HP in creek

### **Wednesday 4**

Klas, Bruno and Ernie climb to the Sheriff  
Joe, Otto, Maurice, John and Adrian haul  
material to top of 1st ridge

Rained a little for the first time this year this  
eve.

### **Thursday 5**

St. John & Maurice Nelson hike to Sheriff  
Joe and Otto go to Monahan Cr. crossing to  
salvage logs used from bridge during  
freighting. Stream was in flood and had  
carried away logs.

Adrian works on telephone line to Sheriff in  
am and on pipe line in pm

Klas, Bill and Ernie at Sheriff

### **Friday 6**

St John drilling in 6001-W-x-cut. Cuts 2"  
quartz stringer carrying galena and gold.

Klas & Maurice excavating place for W-  
compressor

Bill repairing tram house

Adrian and Otto working on pipe line

Joe goes to McCarthy with Lyle who makes  
two trips. Axel Wahlstrom comes in.

I went up to Sheriff following telephone  
line. Found it broken in several places.

[side margin: 1st round of Mining]

### **Saturday 7**

John drilling in face of 6001-N. Drift

Klas & Morris [Maurice] working on W-  
compressor house.

Bill running IR compressor

Adrian & Otto get band on pipeline this am  
Axel working on water line from Power

House to camp. In pm Otto & Axel pack  
some grub to lower tram and put 1500'  
wire in bucket.

I follow telephone line down and get it  
repaired from No 1 Tower to lower  
bunkers.

Power on at lower camp

Bill starts tram

[side margin: Power today. Tram starts.]

**Sunday 8**

Snow all day

Adrian & Otto go to Sheriff. Otto stays.

Adrian connects broken telephone wires.  
Axel working on camp water line. Rest of crew mining at Sheriff

**Monday 9**

John drilling 6001-W-x-cut

Rest of Sheriff crew shoveling snow from track to No 4 x-cut

Adrian and Axel work half-day on water line to bunk-house. In pm start knocking-down Worthington compressor

**Tuesday 10**

John drilling 6002 N. Drift to connect with 6001 S. Drift

Adrian goes to Sheriff to connect electric motor to compressor [prob. I-R compressor]. Axel shovels out transformer.

Take pack of grub to lower Sh. bunkers and work on telephone line

**Wednesday 11**

John drilling 6002 N Drift

Otto mucking

Other men at Sheriff doing preparatory work to stoping

Adrian wiring for 30 h.p. electric motor to IR compressor

Axel and I shoveling snow at mine tunnel. Get water running into storage tank.

**Thursday 12**

John drilling 6002 N Drift

Otto mucking " "

Klas & Morris Nelson blk's and timbering  
Bruno running I-R compressor.

Adrian, Axel and I find break in telephone line this am. In pm Adrian & Axel pull coupling from shaft of W-compressor and knock down 20 h.p. electric motor. I start cleaning amalgam from end screen of mill.

**Friday 13**

John drilling in 6002 N Dr.

Morris mucking "

Otto mucking 6001 Dr

Klas blacksmithing

Bruno running compressor and tram

Adrian goes to head end and clears 440-volt line. Get power through to Sheriff but motor has to be moved to tighten belt before can switch from gas to electricity.

Axel cutting logs to 12' length and going over the saw mill in preparation of sawing lumber for dry room.

Boys report very good ore in 6001 N Drift face. 1st bucket came down today

[side margin: Get power to Sheriff. First Bucket Ore Down]

**Saturday 14**

John drilling 6002 N Dr.

Otto mucking "

Klas & Morris sharpening steel and blacksmithing

Adrian & Bruno working on I-R set-up with motor

Axel cutting drums for bath house in am. In pm he and I cleaning amalgam from end screens of mill.

Adrian brought down several pieces of ore from face of 6001 N. Dr. They were very good—much gold visible.

**Sunday 15**

John drilling 6002 N Dr

Otto mucking "

Klas & Morris sharpening steel  
blacksmithing

Bruno running compressor

Adrian & I take 35 Cat and break trail to Sheriff lower bunker. Much snow still in Pocket Cr. pocket.

Axel cleaning amalgam from mill screens.

**Monday 16**

John drilling 6002 N Dr

Otto mucking

Klas & Morris blks & fixing foundations for W-compressor

Bruno running compressor and tramming ore

Adrian, Axel & I load W-compressor & men's baggage and some grub and haul it with 35 Cat to Sheriff bunker. Adrian

goes to Sheriff in pm to connect 30 h.p. motor to I-R comp.  
 Axel and I load baggage and grub into buckets and dig out dead man of stationary cable.  
 Lyle makes two trips from Chitina. Smith goes out to get tooth pulled. After supper Adrian and I take 25 Cat and bring up supplies from aviation field.  
 [side margin: I-R Comp on electric drive]

### **Tuesday 17**

John drilling 6002 N Dr  
 Otto mucking "  
 Rest of crew pulling W-compressor and 20 h.p. motor up to Sheriff—also 500 lb grub.

### **Wednesday 18**

John drilling in 6002 N Dr  
 Otto mucking "  
 Klas & Nelson blks—etc  
 Bruno running compressor and tram  
 Adrian, Axel and I tighten stationary cables of Sheriff Tram in am. In pm start to put new 1/4" cables into running cable line.  
 Got line part way out.  
 Adrian & I go to aviation field after supper for supplies brought in by Lyle—two trips.

### **Thursday 19**

Thick fog all day  
 Adrian working on repair of 25 Cat in am.  
 Axel cutting drums in am.  
 In pm Adrian & Axel take bridge timber from mill ore bin  
 In am I sorting tools and provisions; in pm clean amalgam from mill screen  
 Men on hill mining. Connect Nos. 5 & 3 veins

### **Friday 20**

St. John drilling in 6001 N Drift  
 Rest of crew working on tram. Dump loaded bucket and pull empty back to head end.  
 Pull in slack and get tram going again without changing running cable. Will have to get another 1500' of new cable to make the change

### **Saturday 21**

Go to Sheriff  
 St. John drilling 6001 W-x-cut  
 Otto mucking "  
 Klas blks  
 Morris cleaning 6002 N D. of snow  
 Adrian, Bruno, & I start foundation for W-compressor  
 Axel cutting drums

### **Sunday 22**

John & Otto mining in 6001 N Drift. Morris clearing 6002 N Drift  
 Bruno, Klas, Adrian and I working on foundation for W-compressor  
 Axel repairing lower Sh. bunker

### **Monday 23**

John & Otto mining in 6001-W-x-cut.  
 Morris clearing 6002 N Drift  
 Klas blacksmithing  
 Axel lining trailer with tin.  
 Bruno, Adrian & I setting up W-compressor

### **Tuesday 24**

John & Otto mining in 6001 N Drift. Morris gets 6002 N Drift cleaned out so that it acts as drainage tunnel & tunnel for muck tramming  
 Klas blacksmithing  
 Bruno, Adrian & I get W-compressor set up  
 Axel cutting drums

### **Wednesday 25**

John & Otto mining in 6001 W-x-cut  
 Klas & Morris place air pipe from W compressor to air tank  
 Adrian & Bruno setting foundation for 20 h.p. motor to drive W-compressor  
 Axel repairing hot water coils in bath house  
 I come down from Sheriff.  
 6001 N Drift now about 85 feet from 6001 x-cut  
 The last 3 or 4 feet do not pan so well. Vein is twisted and down in size to 6". Between sta 0 + 75 and 0 + 80 values very good.  
 The 6001 W-x-cut has now been driven 37 feet. Two small stringers, 2"—have been cut. Both carry gold but do not appear to be either the No. 1 or Igorrote. At sta 37

x-cut passes from fractured zone into bedded zone. Beds nearly horizontal.

**Thursday 26**

John & Otto mining in 6001 W-x-cut. Klas & Morris blks.  
Adrian & Bruno working on W-compressor set-up  
Axel gets hot water coils in bath house stove. In pm cleaning amalgam from mill screens. I cut several samples to be assayed.

**Friday 27**

John & Otto mining in 6001 N Dr. Klas & Otto getting stopes ready.  
Adrian & Bruno working on W-compressor. Turn it over for trial run.  
Axel cleaning mill dew of hams & bacon  
I bricking samples and run fusion on 4 samples.

**Saturday 28**

John & Otto mining in  
Klas & Morris working in stopes. Bruno on W-compressor  
Adrian bull-doing snow from road between Sh lower bunker and Golconda Cr.  
Axel working on trailer  
I working on pay roll & assaying in pm

**Sunday 29**

John & Otto mining in 6001 N drift. Klas & Morris mining  
Bruno running tram.  
Axel & I loading planks and other material  
Adrian spends 1/2 day bull-doing snow from lower end Sheriff road. Then pulls trailer up to lower bunker and goes to head end to work on W-compressor.  
Lyle makes one trip from Chitina and one from McCarthy. Clark returns.  
Adrian & I take truck to air field this eve, having to bull-doze some so\_\_ from road.  
Adrian brings down in trailer about 3 tons of ore.  
[side margin: First ore moved by Trailer to mine camp. First time used truck]

**Monday 30**

John & Otto mining in 6001 W-x-cut

Klas and Maurise mining  
Adrian and Bruno finish installation of Worthington compressor  
Axel finishes bumpers for truck at mill bunkers  
I assaying  
Adrian reports good ore again in face 6001 N Dr.

**JULY**

**Tuesday 1**

John drilling in 6001 N. Drift. Now in 89 from 6001 x-cut vein has narrowed to almost 6 inches but good values. Otto mucking 6001 W-x-cut.  
Klas goes to lower camp to get a connection for 2nd water tank. Morris blks and helping me with tunnel survey.  
Bruno running compressors. Try out two compressor; find they run [?] jack-hammer & stoper OK  
Adrian & Axel begin to put lining back into mill.  
Spend day and night at Sheriff. At sta. 0 + 34 in 6001 W-x-cut a vein has been cut from 2-6" wide carrying fair values in gold. It is within a few feet of the projected position of the No. 1 vein at this level—very likely is No. 1.  
[Side margin: First ore to mine today]

**Wednesday 2**

John still drilling in 6001 N. Drift—air kept freezing up. Finally got ice and oil blower up. Otto digging ice from air pipe lines.  
Morris & Klas blacksmithing  
Bruno running compressor  
Pan from John's drillings in 6001 N Drift gave very good values—As Fe carrying gold.  
Adrian & Axel working on mill lining

**Thursday 3**

John drilling 6001 W-x-cut  
Otto mucking 6001 N Drift  
Klas & Morris  
Bruno running compressor  
Adrian & Axel putting lining in mill

All men from Sheriff come down to lower camp to spend Fourth excepting Ernie

**Friday 4**

Beautiful day. Hoisted Old Glory.  
Everybody took it easy

**Saturday 5**

Bruno hikes to upper camp early this morning and takes the rest of the crew up in tram buckets.  
John & Morris begin stoping in the 6001 N. Drift  
Otto mucking. Klas blacksmithing. Bruno running tram and two compressors.  
Adrian & Axel finish installing end screens on discharge end and begin putting screens on intake end.  
I run tram in am and pulverize some samples in pm. Found some very good pieces of ore in that trammed down today. They are from the face of the 6001 N Drift between 0 + 89 and 0 + 92.  
[side margin: Begin stoping today in 6001 N. Drift. Two compressors running]

**Sunday 6**

John drilling in 6001 N Drift  
Morris stoping 6001 N Drift to above terminal level between stas. 0 + 20 and 0 + 60.  
Otto mucking 6001 W-x-Cut  
Bruno running compressors  
Adrian and Axel putting liners in mill  
I pulverizing samples

**Monday 7**

John drilling 6001 N Drift  
Morris stoping "  
Otto mucking "  
Klas blacksmithing  
Bruno, Axel & Bob tramming ore and hauling up lagging and stulls  
Adrian & I finish putting lining in mill.  
Mrs. Smith cooking at lower camp.

**Tuesday 8**

Morris stoping in 6001 N Dr  
Otto mucking "  
John drilling "  
Klas blacksmithing

Bruno tramming ore  
Bob tramming ore and hauling ore  
Adrian & Axel finish tightening bolts that hold mill liners  
Plane made two trips bringing Geo. White on first one. We spend the day assaying.

**Wednesday 9**

Men at Sheriff logging and building ore chutes in 6001 N Drift  
Smith trucking ore.  
Axel digging holes for telephone line from main camp to Sheriff lower bunker.  
Adrian making new size opening in one of the nozzles. Puts it on tonight. plant now putting out about 100 h.p.  
Geo. and I dress plates in am. Start mill about noon. Run 4 1/2 hrs.  
[side margin: first ORE through mill.]

**Thursday 10**

John drilling face 6001 N Dr.  
Klas, Otto & Morris putting stulls in stope of 6001 N Dr.  
Bruno running compressor and helping Adrian install sarter of W-Comp.  
Smith repairing truck  
Axel digging holes for telephone lines from Sh bunkers to m c.  
Geo. & I milling about 7 hrs

**Friday 11**

John drilling 6001 W-x-cut (no new vein showing yet)  
Morris drilling 2nd series of holes in 6001 N Drift.  
Otto mucking 6001 W-x-cut  
Klas blacksmithing. Bruno looking after compressors  
Adrian & Axel setting telephone poles.  
Smith working on truck  
Geo. mills 6 1/2 hours.  
I go to Sheriff. The 6001 N drift is in about 100 feet and the vein in the face is about 4" wide. It appears to be twisted to the left and bent almost horizontal about 2 feet above the floor of the tunnel. In this horizontal position it is about 1' wide and carries more free gold than the 4" of quartz in the face.  
[complete with sketch]

**Saturday 12**

John drilling 6001 N Drift  
Morris stoping "  
Otto mucking 6001 W-x-cut  
Klas blacksmithing  
Bruno running compressors  
Adrian, Axel & Bob putting up telephone wire  
Geo. and I set up pulverizer in mill. Run 9 assays.

**Sunday 13**

John drilling 6001 W-x-cut  
Morris drilling waste[?] 6001 N Drift  
Otto mucking "  
Klas blacksmithing  
Bruno tramming ore and running compressors  
Adrian & Axel gathering up Tel. wire along Sheriff tram and stretching it on poles of new line to camp.  
Bob trucking ore in am. Helping with telephone line in pm.  
Geo. runs mill 5 hrs  
I dump buckets in am. Look over Monahan road in pm. Slide still covers 1939 road camp.

**Monday 14**

John drilling 6001 W-x  
Otto mucking 6001 N Dr  
Morris & Klas putting stulls in 6001 N Dr  
Bruno tramming ore and running compressor  
Adrian & Axel working on telephone line in am; in pm work on 440-volt line on which wind had toppled a pole & caused short.  
Bob tramming and trucking ore  
Geo. fixes dam in upper terminal and in pm we get several samples pulverized for assaying. I go to Sheriff in am. The No. 3 vein in face which is 96' from 6001 x-cut is about 4" in width but values seem to be good. Possibly the vein is following a bedding plane.

**Tuesday 15**

John milling 6001 W-x-cut

Otto, Klas & Morris putting stulls & lagging in 6001 N Drift from 0 + 20 to 0 + 60.  
Bruno running compressor & tram.  
Adrian & Axel finish installing telephone line from Sheriff lower bunkers to office.  
Bob hauling ore and graveling.  
Geo. runs mill 6 hrs. [?] pan exceptionally good  
I run 12 assays.

**Wednesday 16**

John drilling 6001 N Drift  
Otto mucking 6001 W "  
Klas and Morris get chute built in 6001 N. Drift at sta 0 +  
Bruno running compressors  
Axel & Bob sawing planks, lagging and 2x4s for Sheriff stopes.  
Adrian, Geo. & I graveling road.

**Thursday 17**

John drilling in 6001 N Dr  
Otto mucking " " "  
Morris drilling ore in stope  
Klas blacksmithing  
Bruno running compressor & tramming ore  
Adrian & Axel graveling and dragging road  
Bob graveling road in pm  
Geo. helping with road work.

**Friday 18**

John drilling bet #1&2 stringers 6001 W-x  
Morris drilling 6001 stope  
Otto mucking 6001 N Dr  
Klas blacksmithing  
Bruno running compressors  
Adrian, Axel & Bob graveling road near Gol. Cr bridge  
Geo. & I run mill for 6 hours

**Saturday 19**

John drilling  
Morris drilling 6001-stope  
Otto tramming ore  
Klas blacksmithing  
Bruno tramming ore and running compressor  
Bob tramming & trucking ore  
Adrian & Axel working on tractor road to Monahan Cr with "35" Cat. ARC work.

Geo. & I assay in morning and run mill 3 1/2 hrs in pm.

Klas has ore chutes #1 and 2 built in 6001 N. Drift between sta 0 + 20 & 0 + 60  
[side margin: First ore drawn thru ORE CHUTES in 6001 N Dr.]

### **Sunday 20**

John drilling in face of 6001 N. Drift in morning and began stoping in roof of drift in pm. from No. 2 chute (sta 0 + 52) to about sta 0 + 75

Morris drilling in stope near No. 2 chute.

Klas blacksmithing

Bruno running compressor

Adrian and Axel working on Monahan cat road (ARC)

Bob & Geo. tear down gravel trap on Yellow Band road near 2400-volt line and move material to site of proposed trap near Sheriff lower bunker. And they begin clearing site for new trap.

I go to Sherri. Klas has No. 1 & No. 2 chutes built at stas 0 + 25 and 0 + 52 respectively. Also stulls and lagging between them.

Will shoot waste on the lagging tonight.

Stope is up about 7' over lagging for 15' south of No. 2 chute and about 10' for rest of distance

The vein in face of 6001 N drift does not show in face of sta 1+ 00 unless a small 1" seam cutting through wall in face is the vein. In the roof the vein is about 3" wide and runs about \$27.00. A distinct bedding plane with a dip of about 30° to S. can be seen. The vein does not seem to cut through this bed but the vein carries good values near the bedding plane from \$300.00 to \$875.00. Here vein is frozen to wall. Quartz seams between beds.

[side margin: Two stopers running.]

### **Monday 21**

John still drilling in roof of 6001 N Drift.

Otto drilling in stope [sic? perhaps Morris]. Otto mucking. Klas blacksmithing. Bruno running compressors

Bob working on gravel trap

Adrian & Axel take Cat and chariot to Monahan Cr. for lagging and stulls. Get stuck at snowslide across creek below Jack Snipe lake.

Geo. & I assaying.

The No. 2 stringer in the 6001 W-x-cut—John side swiped with a short round. Vein here is in bedding planes and frozen to walls. Assays \$30.00 across 2"

### **Tuesday 22**

John drilling roof 6001 N. Dr. from 0 + 52 to 0 + 75

Morris stoping. Otto mucking stope ore.

Klas blacksmithing

Bruno tramming ore & running compressor

Bob trucking ore in am

Adrian elect. work " "

Axel tramming ore in "

In pm, Adrian, Axel & Bob go down with 25 Cat and pull "35" Cat & trailer out of creek. Get load to camp.

Geo. & I run mill 1/2 day. Make a melt of gold in pm of amalgam taken daily from long plate of Amalgamator only. Get brick weighing 30 1/2 oz or about \$825.00

### **Wednesday 23**

John drilling in roof 6001 N. Dr.

Morris drilling in No. 1 stope

Otto mucking ore

Klas blacksmithing

Bruno tramming ore and running compressors

Adrian electrical work and gravel trap. Axel tramming ore and gravel trap. Bob trucking ore and gravel trap.

Geo. puts new shoveling plate below grizzly and puts in foundation for corduroy blankets. I run assays and help George

### **Thursday 24**

John drilling for No 2 stope

Morris drilling in No 1 stope

Otto mucking

Bruno tramming ore and running compressors

Bob tramming ore and trucking ore

Adrian & Axel building gravel trap near Sheriff lower bunkers

Geo. & I run mill 4 hrs..

**Friday 25**

John drilling No 2 stope  
Morris drilling No 1 stope  
Otto mucking  
Bruno tramming ore and running compressors  
Adrian puts larger pulley on 30 h.p. motor of IR compressor  
Bob & Axel graveling road  
Geo. waiting for plane  
I run 9 assays

**Saturday 26**

John drilling No 2 stope  
Morris drilling No 1 stope  
Klas & Otto timbering  
Bruno running compressor  
Adrian, Axel & Bob graveling road & making culverts  
Geo. waiting for plane

**Sunday 27**

John drilling No 2 stope  
Morris drilling No 1 stope  
Otto mucking  
Klas blacksmithing  
Bruno tramming ore & running compressors  
Axel tramming ore and building road culvert  
Adrian cleans out Big Cat with Cat and helps Axel with culvert  
Bob trucking ore  
Geo. & I ran mill 7 hours

**Monday 28**

John drilling No 2 stope  
Morris drilling No 1 stope  
Otto mucking  
Klas blacksmithing  
Bruno running compressor  
Snowing and blowing hard from north today.  
Bob and Axel laid off. Adrian spent day checking over Cat and truck parts in garage.  
Run assays

**Tuesday 29**

John drilling No 2 stope  
Morris drilling No 1 stope  
Otto mucking

Klas blacksmithing

Bruno running compressors

Bob graveling road. Adrian & Axel sawing lagging for Sheriff stopes

Go to Sheriff No. 1 Stope is up about 20' above floor of 6001 N. Drift and No. 2 10 feet above. The No 1 had some very good ore in roof at about sta 0 + 40. Vein is 2' wide at S. end and about 10" wide in N. end. No. 2 vein has average width of about 14"

High grade ore from No. 1 stope in white quartz carrying dull galena. Gold in both quartz and galena.

Geo. & I mill 6 hours tonight.

[side margin: Water dropped last night.

Began staggering shifts. Drilling in day.

Milling at Night.]

**Wednesday 30**

John drilling No 2 stope  
Morris drilling No 1 stope  
Otto mucking  
Klas blacksmithing  
Bruno running compressor  
Adrian, Bob and Axel graveling road from lower bunker to hairpin turn.  
Geo. and I mill five hours tonight

**Thursday 31**

John drilling No 2 stope  
Morris drilling No 1 stope  
Klas blks - timbering  
Otto mucking  
Bruno running tram & compressors  
Bob tramming & trucking ore  
Axel putting in culverts near mill  
Adrian working on pipe line (Slide near penstock).  
Geo. & I run mill 7 hours  
I also run assays  
Small Muffle cracks & bottom dropped out.  
Some very high grade ore went through mill—probably from No 2 stope

**AUGUST**

**Friday 1**

John drilling No 2 stope  
Morris drilling No 1 stope

Otto mucking  
Klas blacksmithing  
Bruno tramming ore and running  
compressor  
Bob helping Adrian on pipe line in am.  
Tramming ore in pm  
Adrian working on pipe line. Puts telephone  
in Cliff House in pm.  
Lyle came in with load from Chitina. Made  
another trip to McCarthy bringing in Joe  
Sommers.  
Geo. White goes out on Lyle's last trip.  
I start mill at 4 pm. Run until 3 am in  
morning. Get mill bunkers cleaned out  
then milling all ore mined this year and  
what was left from last year  
[side margin: Clean-out mill bunker]

#### **Saturday 2**

John drilling No 2 stope  
Morris drilling No 1 stope  
Otto mucking  
Joe timbering  
Klas blacksmithing  
Bruno tramming ore  
Axel tramming ore  
Bob trucking ore  
Adrian installing telephone at Cliff House  
I clean two plates of Todd amalgamator. Get  
total of 128 oz of amalgam from there for  
month.  
Klas reports some exceptional ore in No 1  
stope just above No 2 chute

#### **Sunday 3**

John drilling No 2 stope  
Morris drilling No 1 stope  
Otto mucking  
Joe timbering  
Klas blacksmithing  
Bruno tramming ore & running compressors  
Bob trucking ore and working on road  
Axel putting in road culverts  
Adrian & I make clean-up of mill and cut  
samples for assaying. Get a total of 209 oz  
of amalgam from Todd Amalgamator

#### **Monday 4**

John drilling No 2 stope  
Morris drilling No 1 stope  
Otto mucking

Joe & Klas timbering  
Bruno running tram & compressors  
Axel tramming ore & road work  
Bob trucking ore & tramming ore  
Adrian repairing mill  
I run mill three hours, retort amalgam and  
run 13 assays. Large muffle burned out.  
The sponge weighed 76 1/4 oz

#### **Tuesday 5**

John drilling No 1 stope [sic?]  
Morris drilling No 2 stope [sic?]  
Otto mucking  
Bill tramming ore and running compressor  
Bob tramming and trucking ore  
Joe timbering and helping Klas blacksmith.  
Adrian and Axel go to Monahan Cr for  
wood. Make the round trip early in day.  
They travel the fill across the summit for  
first time.  
I melt gold and get a brick weighing 99 1/4  
oz or about \$2700.00  
Start mill in pm and run 1 1/2 hour but the  
feeder was not working right so shut  
down.

#### **Wednesday 6**

John drilling No 1 stope [sic?]  
Morris drilling No 2 stope [sic?]  
Otto mucking  
Joe & Klas timbering and blacksmithing  
Bruno running tram and compressors  
Bob & Axel hauling ore and tramming ore  
in am.  
Get out timber for new blks' shop at Sheriff  
Adrian & I run mill 4 hrs. In pm Adrian  
repairing feeder & I replacing large muffle  
in assay furnace.

#### **Thursday 7**

John drilling No 1 stope [sic?]  
Morris drilling No 2 stope [sic?]  
Otto mucking  
Klas & Joe blks & timbering  
Bruno running compressor and tramming  
ore  
Axel & Bob tramming ore and sending up  
timber for Bks shop  
Adrian repairing mill feed and table  
I finish putting in new muffle for large  
furnace and cut samples

**Friday 8**

John drilling No 2 stope  
Morris drilling No 1 stope  
Otto mucking  
Klas & Joe blacksmithing and building blks shop  
Bruno tramming ore  
Axel & Bob tramming ore & sending up materials for new blks shop  
Adrian running mill—very good ore—This a.m. I run assays.

**Saturday 9**

Men at Sheriff engaged in same work as yesterday  
Adrian & Axel sawing lumber & lagging  
Bob trucking ore  
I run mill for 6 hours

**Sunday 10**

Men at Sheriff same work  
Adrian looking after pipe line to upper dam  
Bob & Axel in am saw up wood for bunkhouse. In pm finish culverts near mill.  
I run assays

**Monday 11**

Men at Sheriff engaged in same work  
Bob trucking ore. Axel tramming ore.  
Adrian elec. work.  
I stay in bed with sore leg muscle

**Tuesday 12**

Men at Sheriff on same work  
Axel & Bob tramming and trucking ore  
Adrian goes to Sheriff to relieve Bruno who comes down to lower camp.  
Leg not much better. Attempted assaying but give it up.

**Wednesday 13**

Men at Sheriff on mining work. Adrian running compressors.  
Axel & Bob help me run mill for 7 hrs. Leg still burn[?]  
Bruno resting

**Sunday 17**

Leg swollen badly so take Cordova Air Service plane to Chitina. Stay overnight there and go to Valdez Hospital Monday. Doctor says trouble is "Melcholy." Stay in hospital until morn Thursday-Aug 28st [sic]  
Go to Copper Center with Bob Shepard. Stay there until Fri night when Lyle takes me to Gokona [Gakona?] Fly to camp with Lyle Sunday August 31st.

**SEPTEMBER**

**Monday 1**

Bunker at mill nearly full of ore - about 70 tons  
Adrian runs mill about 7 hrs. I ran 18 assays, Bob helping with quartering.  
Leg swelled up again and take to bed again. While gone, Joe & Axel finished new blks shop at Sheriff and also converted old Blks shop into dry room.  
Both stopes are now up 34 feet above level of track. Vein average about 14"

**Tuesday 2**

Stay in bed all day  
Adrian runs mill 24 hours  
Klas comes down to talk over work at Sheriff. Brought some very good ore specimens just found in No 1 stope at a split in the vein

**Wednesday 3**

John drilling No 2  
Joe drilling No 1  
Otto mucking  
Klas & Axel blks  
Bruno running comp.  
Bob quartering samples  
Adrian running mill tonight  
Was able to work 1/2 day in assay office

**Thursday 4**

Men at Sheriff drilling in stopes  
Axel comes down to lower camp. Works on gravel trap at aviation field—Bob helping  
Adrian runs mill tonight.

**Friday 5**

Men at Sheriff drilling  
Axel working on gravel trap  
Bob quartering samples  
I run 16 assays

**Saturday 6**

Joe & John finish drilling in stopes today.  
Bob & Axel finish gravel trap in am.  
Quarter samples in pm.  
Adrian & I start clean-up. Get Todd  
Amalgamator cleaned

**Sunday or Monday (7/8)**

Men at Sheriff putting in lagging in chutes,  
tramming ore to bunkers. Bill & Axel  
tramming ore. Bob trucking. Adrian & I  
finish cleaning amalgam and retort. Get  
total of 151 1/2 oz of amalgam. There  
seems to be about 50% caught in mill

**Tuesday 9**

Men mining at Sheriff  
Bob & Axel go to Monahan Creek for wood  
Adrian working in power half-hitch Little  
Cat to power plant to boost power for  
compressor.  
I make melt of sponge. Get 78 oz brick.  
Lyle comes in about 5pm. Stays overnight

**Wednesday 10**

John drilling No. 2 stope  
Joe & Klas knocking down ore from No 4  
Vein. Otto mucking. Bruno running tram  
& compressors  
Adrian on electrical work. Axel tramming  
ore; Bob trucking ore  
Too windy (N) for flying  
I go to Sheriff for day. Go into stope. The  
hi-grade is located about 5 feet S. of  
center chute. Do not know yet whether a  
mere split or branch vein.

**Thursday 11**

John drilling in No 2 stope  
Klas & Joe getting surface ore from No 4  
vein. Otto mucking. Bruno running  
compressor-IR  
Adrian, Bob & Axel make trip to Monahan  
for wood.  
Lyle makes three trips to] McCarthy—  
bringing gas and Bks coal.

I pulverize 11 samples

**Friday 12**

John drilling No 1 stope  
Joe working on No 4 vein  
Otto mucking  
Klas Blks  
Bruno tramming ore and running  
compressor  
Axel tramming ore.  
Adrian running mill tonight. Bob running  
small Cat hook up to Power Plant.  
I run 12 assays  
Bear tried to get into meat house last night  
about 2 am. Bob shot it with .22 first then  
with 30-40

**Saturday 13**

Men mining at Sheriff  
Axel tramming ore  
Adrian runs mill. Bob look after Cat hook-  
up to power plant.  
Wind still blowing and very cold. Water  
going down.

**Sunday 14**

Men mining at Sheriff  
Axel tramming ore  
Bob & Adrian getting caught up with sleep.  
Lyle makes one trip to McCarthy with gas  
then goes on to Gakona.  
Still north wind & cold.

**Monday 15**

Men mining at Sheriff  
Begin to draw ore from chutes before it  
freezes in pockets.  
Axel tramming at lower end.  
Bob trucking ore  
Adrian has 1" nozzle on. He runs little Cat  
to boost water power to run one drill at  
mine

**Tuesday 16**

Mining at Sheriff. Still enough water for 1"  
nozzle. Bob trucking ore. Axel begins  
work at dam cleaning out old cut!

**Wednesday 17**

Men mining at Sheriff

Bill tramming and running compressor.  
Axel working on dam  
Bob tramming ore & trucking.  
Adrian running Cat hook-up for compressor  
I assay  
Wind changed to S.—warmer  
[side margin: 7/8" nozzle]

**Thursday 18**

Crew mining on Sheriff.  
Bob & Axel working on dam  
Adrian running Cat hook-up

**Friday 19**

Crew mining on Sheriff  
Bob & Axel working on dam  
Adrian tramming ore in am. Trucking ore in  
pm.  
I run 8 assays

**Saturday 20**

Crew mining on Sheriff  
Bob, Axel & Adrian working on dam

**Sunday 21**

Crew mining on Sheriff  
Adrian & Axel working on dam  
Bob working on lower camp

**Monday 22**

Crew mining on Sheriff  
Adrian & Bob working on dam. Axel laid  
up by rheumatism

**Tuesday 23**

Klas & John barring down loose rock in  
stope  
Otto mucking. Bill & Joe tramming ore &  
hauling to upper camp-powder, logs & gas  
Bob & Adrian working on dam  
Axel laid up with rheumatism

**Wednesday 24**

John drilling. Otto mucking  
Klas blks  
Bill & Axel tramming ore in am. Bruno  
running comps in pm. Axel repairing bath  
house.  
Joe, Adrian & Bob working on dam

**Thursday 25**

John drilling in stope  
Otto mucking. Klas blacksmithing  
Bruno tramming ore and running  
compressor  
Bob tramming ore  
Adrian repairing I-R compressor  
Joe & Axel working on dam

**Friday 26**

Men mining on Sheriff  
Joe, Axel & Bob working on dam  
Adrian putting power take-off on Big Cat  
I make 7 assays  
Piece of Arsenic ore from No 2 stope assays  
272 ounces.

**Saturday 27**

Men mining at Sheriff  
Joe & Axel working on dam  
Hitch Big Cat up to power plant. With the  
water pressure down to 150# and in 3/4"  
nozzle, Cat could not bring mill up to top  
speed—only 20 r.p.m. In morning has  
difficulty starting mill at all but in pm ran  
for 3 hours without stop and crushed ore  
in addition to milling.

**Sunday 28**

Go to Sheriff. John had quit mining—so  
decided to close down. Went thru  
underground workings. Ore in roof 7  
stopes appears good. In No. 2 stope vein  
had widened to 20" and from this section  
was coming the high grade arsenopyrite  
specimens. These occur in center of vein  
from small pieces to 8"—no continuous  
lenses of it.

In the face of the 6001 N Drift the quartz  
has begun to come in again about 1" in  
width but carrying good gold values—  
nearly \$300.00

John goes down to lower camp. Rest stay at  
Sheriff to close of camp.

Joe & Axel working on dam. Adrian going  
over 3 h.p. gas engine. Bob hauling ore.

**Monday 29**

Bob & Bill running tram to get last of  
supplies to Sheriff. Adrian goes to Sheriff  
to look after wires for winter safety.

Men from Sheriff come down to lower camp in pm. Tying [sic] up running cable of tram on way.

Joe & Axel working on dam

I assay

### **Tuesday 30**

Joe, Axel, Bill, Klas & Otto working on dam. Ernie & John in camp.

Adrian & Bob putting 3 h.p. gas engine in mill to run classifier & table

## **OCTOBER**

### **Wednesday 1**

Adrian & Bruno looking after power plant and Cat hook-up. Bob & I running mill. 3 h.p. motor runs table & classifier OK but Cat and 1/2" nozzle on wheel do not give enough power to turn mill over at normal speed. Mill turns about 20 r.p.m. Run about 5 hours.

Plane did not come so six men are waiting

### **Thursday 2**

Run mill this morning but this pm water in gas of 3 h.p. engine delayed start until 3 pm so closed down.

### **Friday 3**

Adrian, Bill, & Bob tie up running cable of Sh tram this am. In pm run mill for 5 hours. Worked better today. Turning 24 r.p.m. with feed open to 4th hole.

### **Saturday 4**

Ran mill for 5 hours today. Adrian put on the 3/4" nozzle and could maintain a head for about 2 1/2 hrs. Mill was turning over at normal speed. Seemed to be appreciable amount of gold bearing arsenopyrite ore.

Did not plate readily.

Plane has not come yet. The six men are still waiting to get out.

### **Sunday 5**

Ran mill 6 hrs. Mill ran about same as yesterday.

Snowed 1" this pm.

### **Monday 6**

Ran mill four hours.

Plane arrived and pm [sic?] but too windy to take off with load

### **Tuesday 7**

Boys got long timbers from Yellow Band and Sheriff lower bunkers.

Ran mill couple of hours. Water power nearly nil.

### **Wednesday 8**

Plane took off today and got the six men to McCarthy, bringing gas & powder on return trips.

Temperature dropped to 18 above last night which means no more milling. Began to clean-up. Worked two hrs tonight on classifier and got top it[?] mill.

### **Thursday 9**

16 above this morning. Continued clean-up—Adrian, Bill & Bob helping.

Finished with classifier and first box of Todd Amalgamator. Also got 6 of liners out. Seems to be more amalgam in mill than last year.

Plane made one trip from McCarthy with gas.

### **Friday 10**

Got liners removed from mill. Pellets of amalgam, weighing about 1/2 ounce had collected in place under liners.

### **Saturday 11**

Get end grates removed from mill. Behind discharge screens hard amalgam had formed. One was about an inch high and two inches long.

Temperature dropped to 12 above last night with strong north wind.

Pipe line began to freeze up—so Adrian turned off water about 2 am. Got up at 5 to help him keep fire under main gate valve.

### **Sunday 12**

Adrian closes down for winter power plant.

Water in mill froze last night. Took Bob & Bill all morning to thaw pipes out. In pm work on end gates—cleaning.  
I pan down last of classifier conct.

**Monday 13**

Water in mill pipes frozen again. Get end grates all cleaned and also mill. Brought down to camp about 200 lb of muck from working out mill—will pan it out in bunkhouse.

**Tuesday 14**

Adrian, Bob & Bill take both cats down to Monahan for wood. Leave at 12:45 pm and get back at 11:30 pm with two sled

loads. Some of turns on grade are too sharp for Cat & two sleds.  
I pan out amalgam from workings of mill.

**Wednesday 15**

Bob took Big Cat and went after last load of wood.  
Adrian, Bill & I working in Mill.

**Thursday 16**

Adrian, Bob & Bill help in mill this am.  
In pm Bob & Bill unload wood .  
Put dozer on Cat & power[?]. Take-off on Little Cat.  
I get all of the amalgam cleaned and the last of the retorting finished.